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## WHAT IS CLAIMED IS:

1. An embolization device, comprising:

component.

- a collagenous biomaterial (12);
- a radiopaque marker (18) disposed on the collagenous biomaterial (12); and the collagenous biomaterial (12) having a thrombogenic
- 10 2. The embolization device of claim 1, wherein the collagenous biomaterial comprises a biocompatible submucosa (10).
  - 3. The embolization device of claim 2, wherein the collagenous biomaterial further comprises a submucosa (10) having an endotoxin level less than 12 endotoxin units per gram.
    - 4. The embolization device of claim 2, wherein a pharmacologic agent is (14) disposed on the collagenous biomaterial.
- 5. The embolization device of claim 4, wherein the pharmacologic agent further comprises at least one of a growth factor, protein, proteoglycan, glycoprotein, glycosaminoglycan, physiological compatible mineral, antibiotic, chemotherapeutic agent, pharmaceutical, enzyme, genetic material, and hormone.
  - 6. The embolization device of claim 2, wherein the collagenous biomaterial further comprises a lyophilized component.

7. The embolization device of claim 2, wherein the thrombogenic component further comprises at least one of a brush-like, braided, branched, coil, cubic, cylindrical, helical, injectable, layered, randomized, sheet-like, spherical, and tubular component (16).

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- 8. The embolization device of claim 1, wherein the collagenous biomaterial further comprises at least a tunica submucosa and a lamina muscularis mucosa of an intestine.
- 9. The embolization device of claim 1, wherein the thrombogenic component further comprises a backbone and the collagenous biomaterial further comprises submucosa.
  - 10. The embolization device of claim 1, wherein the thrombogenic component comprises at least one thrombogenic fibril.
    - 11. The embolization device of claim 1, wherein a collagenous biomaterial further comprises submucosa and the thrombogenic component further comprises a coil.

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- 12. The embolization device of claim 11, wherein the thrombogenic component further comprises the coil having at least one thrombogenic fibril.
- 13. The embolization device of claim 1, wherein a pharmacologic agent is disposed on the collagenous biomaterial.
  - 14. The embolization device of claim 13, wherein the pharmacologic agent is taxol, or a taxol derivative.

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- 15. The embolization device claim 1, wherein the collagenous biomaterial further comprises at least one of a urinary bladder, pericardium, basement membrane, amniotic membrane, tissue mucosa, gastric submucosa, and stomach submucosa tissues.
- 16. The embolization device of claim 15, wherein the collagenous biomaterial further comprises a biocompatible tissue.
- 17. The embolization device of claim 15, wherein a pharmacologic agent is disposed on the collagenous biomaterial.
- 18. The embolization device of claim 17, the pharmacologic agent (14) further comprises at least one of a growth factor, protein, proteoglycan, glycoprotein, glycosaminoglycan, physiological compatible mineral, antibiotic, chemotherapeutic agent, enzyme, pharmaceutical, taxol, taxol derivative, genetic material, and hormone.
- 19. The embolization device of claim 15, wherein the collagenous20 biomaterial further comprises a lyophilized component.
  - 20. The embolization device of claim 15, wherein the collagenous biomaterial further comprises at least one of a brush-like, braided, branched, coil, cubic, cylindrical, helical, injectable, layered, randomized, sheet-like, spherical, and tubular component (16).
  - 21. The embolization device of claim 15, wherein the thrombogenic component further comprises a central backbone and the collagenous biomaterial further comprises submucosa.

- 22. The embolization device of claim 15 wherein the thrombogenic component comprises at least one thrombogenic fibril.
- 23. The embolization device claim 15 wherein the thrombogenic component comprises a coil.
- 24. The embolization device claim 23, wherein the coil further comprises at least one thrombogenic fibril.
- 25. The medical device, comprising:a means for filling a blood vessel or an aneurysm; anda radiopaque marker disposed on the means.
- 26. The medical device of claim 25, wherein the means for filling includes a collagenous biomaterial, the collagenous biomaterial comprising at least one of a submucosa, pericardium, basement membrane, amniotic membrane, mucosa, liver, gastric submucosa, stomach submucosa, and urinary bladder submucosa.
- 27. A method for occluding a vascular vessel, comprising delivering to the vessel an embolization device comprising submucosa so as to occlude the vascular vessel.

- 28. The method of claim 27, wherein the embolization devices comprises a coil.
- 29. The method of claim 27, wherein the submucosa is porcine submucosa.
- 30. The method of claim 27, wherein the embolization device comprises at least one sheet of submucosa.